

Title (en)
TERMINAL RADIO CHARACTERIZATION

Title (de)
FUNKENDGERÄTECHARAKTERISIERUNG

Title (fr)
CARACTÉRISATION DE L#ÉQUIPEMENT RADIOÉLECTRIQUE D#UN TERMINAL

Publication
EP 3961942 A1 20220302 (EN)

Application
EP 21193380 A 20210826

Priority
US 202017004736 A 20200827

Abstract (en)
A system and method for characterizing performance of a terminal radio. The method includes obtaining a plurality of SNR feedbacks by, for each input power level of varying input power levels of the terminal radio, estimating an SNR (signal-to-noise ratio) associated with a respective input power level for a burst sent from the terminal radio to a gateway, where each of the SNR feedbacks may include an estimated SNR and the respective input power level; and determining a RC (radio characterization) of the terminal radio based on where the SNR feedbacks start deteriorating without indicating a saturated response at the gateway, where bursts are transmitted at a selected frequency with a selected SYM COD (symbol, modulation and error coding scheme).

IPC 8 full level
H04B 17/13 (2015.01); **H04W 52/52** (2009.01)

CPC (source: EP US)
H04B 17/13 (2015.01 - EP); **H04L 1/0003** (2013.01 - US); **H04L 1/0009** (2013.01 - US); **H04L 1/0015** (2013.01 - EP); **H04L 1/0016** (2013.01 - US); **H04L 1/0026** (2013.01 - EP); **H04L 1/0035** (2013.01 - US); **H04L 1/0042** (2013.01 - US); **H04L 1/0043** (2013.01 - US); **H04W 52/52** (2013.01 - EP)

Citation (search report)
• [I] US 2014269955 A1 20140918 - BECKER NEAL [US]
• [A] US 8565343 B1 20131022 - HUSTED PAUL J [US], et al
• [A] US 2013052964 A1 20130228 - HUSTED PAUL J [US]

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
US 11196508 B1 20211207; CA 3128906 A1 20220227; CA 3128906 C 20221025; EP 3961942 A1 20220302; EP 3961942 B1 20230510

DOCDB simple family (application)
US 202017004736 A 20200827; CA 3128906 A 20210825; EP 21193380 A 20210826